10/568264 IAP9 Rec'd PCT/PTO 13 FEB 2006

Express Mail No.: <u>EV 654 850 041 US</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

Liew et al.

Confirmation No.

To be assigned

To be assigned

Application No.:

To be assigned; National Stage

Application of International Application PCT/US05/022071

filed June 20, 2005

Filed:

On even date herewith

Examiner

Art Unit:

To be assigned

For:

COMPUTER SYSTEMS AND

Attorney Docket No.

11543-006

METHODS FOR CONSTRUCTING

BIOLOGICAL CLASSIFIERS

AND USES THEREOF

COMPACT DISC TRANSMITTAL SHEET FOR SUBMISSION OF TABLES TO UNITED STATES PATENT AND TRADE MARK OFFICE UNDER 37 C.F.R. § 1.52(e)

Commissioner for Patents U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

In connection with the above-identified application, and pursuant to 37 C.F.R. § 1.52(e), Applicants submit herewith two copies of tables related to sequence listing on CD-ROM labeled "Copy 1" and "Copy 2".

Pursuant to 37 C.F.R. § 1.52(e)(3)(ii), Copy 1 and Copy 2 of the tables related to sequence listing are described as follows:

Copy 1:

Machine Format: IBM-PC

Operating System: MS-Windows XP

File Format: ASCII

Creation Date: Tables were created on June 17, 2005 and CD-ROMs are

recorded on February 3, 2006

Copy 2: Machine Format: IBM-PC

Operating System: MS-Windows XP

File Format: ASCII

Creation Date: Tables were created on June 17, 2005 and CD-ROMs are

recorded on February 3, 2006

Below is a list indicating the name, file size and date of recordation of each table.

I hereby certify that the two copies of the tables on CD-ROM in computer-readable format, submitted in accordance with 37 C.F.R. § 1.52(e), are identical.

| <u>Table</u> | DESCRIPTION | SIZE | <u>Date</u> | Text File Name |
|--------------|---|-------------|---------------------------|----------------|
| 1 A | Sequence Related Table regarding Comorbid Hypertension | 96KB | Recorded February 3, 2006 | TABLE1A.TXT |
| 1B | Sequence Related Table regarding Comorbid Obesity | 102KB | February 3, 2006 | TABLE1B.TXT |
| 1 C | Sequence Related Table regarding Comorbid Allergies | 49KB | February 3, 2006 | TABLE1C.TXT |
| 1D | Sequence Related Table regarding Comorbid Systemic Steroids | 59KB | February 3, 2006 | TABLE1D.TXT |
| 1E | Sequence Related Table regarding Hypertension (Chondro) | 204KB | February 3, 2006 | TABLE1E.TXT |
| 1 F | Sequence Related Table regarding Obesity (Chondro) | 251KB | February 3, 2006 | TABLE1F.TXT |
| 1G | Sequence Related Table regarding CoMorbid Hypertension Only | 57KB | February 3, 2006 | TABLE1G.TXT |
| 1H | Sequence Related Table regarding Hypertension OA Shared | 23KB | February 3, 2006 | TABLE1H.TXT |
| 11 | Sequence Related Table regarding Comorbid Obesity Only | 60KB | February 3, 2006 | TABLE1I.TXT |
| 1J | Sequence Related Table regarding Obesity OA Shared | 18KB | February 3, 2006 | TABLE1J.TXT |
| ١K | Sequence Related Table regarding Comorbid Allergy Only | 28KB | February 3, 2006 | TABLE1K.TXT |
| 1L | Sequence Related Table regarding Allergy OA Shared | 19KB | February 3, 2006 | TABLE1L.TXT |
| 1M | Sequence Related Table regarding Comorbid Steroid Shared | 40KB | February 3, 2006 | TABLE1M.TXT |

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| <u>Table</u> | DESCRIPTION | SIZE | <u>Date</u> Recorded | Text File Name |
|--------------|--|-------|-------------------------|----------------|
| 1N . | Sequence Related Table regarding Steroid OA Shared | 23KB | February 3, 2006 | TABLE1N.TXT |
| 10 | Sequence Related Table regarding Differentiating Systemic Steroids | 49KB | February 3, 2006 | TABLE10.TXT |
| 1P | Sequence Related Table regarding Diabetes | 118KB | February 3, 2006 | TABLE1P.TXT |
| 1Q | Sequence Related Table regarding Hyperlipidemia | 165KB | February 3, 2006 | TABLE1Q.TXT |
| 1R | Sequence Related Table regarding Lung Disease | 102KB | February 3, 2006 | TABLE1R.TXT |
| 1S | Sequence Related Table regarding Bladder Cancer | 830KB | February 3, 2006 | TABLE1S.TXT |
| 1T | Sequence Related Table regarding Bladder Cancer Staging | 483KB | February 3, 2006 | TABLE1T.TXT |
| 1U | Sequence Related Table regarding Coronary Artery Disease | 657KB | February 3, 2006 | TABLE1U.TXT |
| 1V | Sequence Related Table regarding Rheumatoid Arthritis | 380KB | February 3, 2006 | TABLE1V.TXT |
| 1 W | Sequence Related Table regarding Rheumatoid Arthritis | 183KB | February 3, 2006 | TABLE1W.TXT |
| 1X | Sequence Related Table regarding Depression | 165KB | February 3, 2006 | TABLE1X.TXT |
| 1 Y | Sequence Related Table regarding OAStaging | 32KB | February 3, 2006 | TABLE1Y.TXT |
| 1 Z | Sequence Related Table regarding Liver Cancer | 19KB | February 3, 2006 | TABLE1Z.TXT |
| 1Zb | Sequence Related Table regarding Liver Cancer | 430KB | February 3, 2006 | TABLE1Z(b).TXT |
| 1AA | Sequence Related Table regarding Schizophrenia | 592KB | February 3, 2006 | TABLE1AA.TXT |
| 1AB | Sequence Related Table regarding Chagas Disease | 142KB | February 3, 2006 | TABLE1AB.TXT |
| 1AC | Sequence Related Table regarding Asthma (Chondro) | 64KB | February 3, 2006 | TABLE1AC.TXT |
| 1AD | Sequence Related Table regarding Asthma (Affy) | 57KB | February 3, 2006 | TABLE1AD.TXT |
| 1AE | Sequence Related Table regarding Lung Cancer | 118KB | February 3, 2006 | TABLE 1AE.TXT |
| 1AG | Sequence Related Table regarding Hypertension (Affymetrix) | 157KB | February 3, 2006 | TABLE1AG.TXT |

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| <u>Table</u> | DESCRIPTION | SIZE | <u>Date</u> | Text File Name |
|--------------|--|-------|---------------------------|----------------|
| 1AH | Sequence Related Table regarding Obesity (Affymetrix) | 203KB | Recorded February 3, 2006 | TABLE1AH.TXT |
| 1AI | Sequence Related Table regarding Ankylosing Spondylitis (Affy) | 267KB | February 3, 2006 | TABLE1AI.TXT |
| 2 | Sequence Related Table regarding OA Only Subtraction | 19KB | February 3, 2006 | TABLE2.TXT |
| 3A | Sequence Related Table regarding Schizophrenia v. MDS | 228KB | February 3, 2006 | TABLE3A.TXT |
| 3B | Sequence Related Table regarding Hepatitis v. Liver Cancer | 347KB | February 3, 2006 | TABLE3B.TXT |
| 3C | Sequence Related Table regarding Bladder Cancer v. Kidney Cancer | 470KB | February 3, 2006 | TABLE3C.TXT |
| 3D | Sequence Related Table regarding Bladder Cancer v. Testicular Cancer | 556KB | February 3, 2006 | TABLE3D.TXT |
| 3E | Sequence Related Table regarding Testicular Cancer v. Kidney Cancer | 588KB | February 3, 2006 | TABLE3E.TXT |
| 3F | Sequence Related Table regarding Liver Cancer v. Stomach Cancer | 84KB | February 3, 2006 | TABLE3F.TXT |
| 3G | Sequence Related Table regarding Liver Cancer v. | 149KB | February 3, 2006 | TABLE3G.TXT |
| 3H | Sequence Related Table regarding Stomach Cancer v. Colon Cancer | 166KB | February 3, 2006 | TABLE3H.TXT |
| 3I | Sequence Related Table regarding OA v. RA | 214KB | February 3, 2006 | TABLE3I.TXT |
| 3K | Sequence Related Table regarding Chagas Disease v.Heart Failure | 16KB | February 3, 2006 | TABLE3K.TXT |
| 3L | Sequence Related Table regarding Chagas Disease v. CAD | 19KB | February 3, 2006 | TABLE3L.TXT |
| 3N | Sequence Related Table regarding CAD v. Heart Failure | 13KB | February 3, 2006 | TABLE3N.TXT |
| 3P | Sequence Related Table regarding Asymptomatic Chagas v. Symptomatic Chagas | 68KB | February 3, 2006 | TABLE3P.TXT |

| Table | DESCRIPTION | SIZE | <u>Date</u> | Text File Name |
|------------|---|-------|---------------------------|----------------|
| 3Q | Sequence Related Table regarding Alzheimers' v. Schizophrenia | 56KB | Recorded February 3, 2006 | TABLE3Q.TXT |
| 3R | Sequence Related Table regarding Alzheimers' v. Manic Depression | 51KB | February 3, 2006 | TABLE3R.TXT |
| 4A | Sequence Related Table regarding OA v. Control (ChondroChip) | 538KB | February 3, 2006 | TABLE4A.TXT |
| 4B | Sequence Related Table regarding OA v. Control (Affy) | 550KB | February 3, 2006 | TABLE4B.TXT |
| 4C | Sequence Related Table regarding OA mild v. Control (ChondroChip) | 321KB | February 3, 2006 | TABLE4C.TXT |
| 4D | Sequence Related Table regarding OA mild v. Control (Affy) | 587KB | February 3, 2006 | TABLE 4D.TXT |
| 4E | Sequence Related Table regarding OA moderate v. Control (ChondroChip) | 198KB | February 3, 2006 | TABLE4E.TXT |
| 4F | Sequence Related Table regarding OA moderate v. Control (Affy) | 576KB | February 3, 2006 | TABLE4F.TXT |
| 4G | Sequence Related Table regarding OA marked v. Control (ChondroChip) | 203KB | February 3, 2006 | TABLE4G.TXT |
| 4H | Sequence Related Table regarding OA marked v. Control (Affy) | 679KB | February 3, 2006 | TABLE4H.TXT |
| 4I | Sequence Related Table regarding OA severe v. Control (ChondroChip) | 291KB | February 3, 2006 | TABLE4I.TXT |
| 4 J | Sequence Related Table regarding OA severe v. Control (Affy) | 607KB | February 3, 2006 | TABLE4J.TXT |
| 4K | Sequence Related Table regarding OA mild v. moderate (ChondroChip) | 113KB | February 3, 2006 | TABLE4K.TXT |
| 4L | Sequence Related Table regarding OA mild v. moderate (Affy) | 488KB | February 3, 2006 | TABLE4L.TXT |
| 4M | Sequence Related Table regarding OA mild v. marked (ChondroChip) | 93KB | February 3, 2006 | TABLE4M.TXT |
| 4N | Sequence Related Table regarding OA mild v. marked (Affy) | 373KB | February 3, 2006 | TABLE4N.TXT |

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| <u>Table</u> | DESCRIPTION | SIZE | <u>Date</u> Recorded | Text File Name |
|--------------|--|-------|-------------------------|----------------|
| 40 | Sequence Related Table regarding OA mild v. severe (ChondroChip) | 177KB | February 3, 2006 | TABLE4O.TXT |
| 4P | Sequence Related Table regarding OA mild v. severe (Affy) | 687KB | February 3, 2006 | TABLE4P.TXT |
| 4Q | Sequence Related Table regarding OA moderate v. marked (ChondroChip) | 103KB | February 3, 2006 | TABLE4Q.TXT |
| 4R | Sequence Related Table regarding OA moderate v. marked (Affy) | 450KB | February 3, 2006 | TABLE4R.TXT |
| 48 | Sequence Related Table regarding OA moderate v. severe (ChondroChip) | 79KB | February 3, 2006 | TABLE4S.TXT |
| 4T | Sequence Related Table regarding OA moderate v. severe (Affy) | 627KB | February 3, 2006 | TABLE4T.TXT |
| 4U | Sequence Related Table regarding OA marked v. severe (ChondroChip) | 66KB | February 3, 2006 | TABLE4U.TXT |
| 4V | Sequence Related Table regarding OA marked v. severe (Affy) | 758KB | February 3, 2006 | TABLE4V.TXT |
| 5A | Sequence Related Table regarding Psoriasis v. Control | 80KB | February 3, 2006 | TABLE5A.TXT |
| 5B | Sequence Related Table regarding Thyroid Disorder v. Control | 373KB | February 3, 2006 | TABLE5B.TXT |
| 5C | Sequence Related Table regarding Irritable Bowel Syndrome v. Control | 87KB | February 3, 2006 | TABLE5C.TXT |
| 5D | Sequence Related Table regarding Osteoporosis v. Control | 79KB | February 3, 2006 | TABLE5D.TXT |
| 5E | Sequence Related Table regarding Migraine Headaches v. Control | 231KB | February 3, 2006 | TABLE5E.TXT |
| 5F | Sequence Related Table regarding Eczema v. Control | 56KB | February 3, 2006 | TABLE5F.TXT |
| 5G | Sequence Related Table regarding NASH v. Control | 349KB | February 3, 2006 | TABLE5G.TXT |
| 5H | Sequence Related Table regarding Alzheimers' v. Control | 268KB | February 3, 2006 | TABLE5H.TXT |
| 51 | Sequence Related Table regarding Manic Depression v. Control | 298KB | February 3, 2006 | TABLE5I.TXT |

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| <u>Table</u> | DESCRIPTION | SIZE | <u>Date</u> | Text File Name |
|--------------|--|-------|---------------------------|----------------|
| 5J | Sequence Related Table regarding Crohns' Colitis v. Control | 45KB | Recorded February 3, 2006 | TABLE5J.TXT |
| 5K | Sequence Related Table regarding Chronic Cholecystis v. Control | 53KB | February 3, 2006 | TABLE5K.TXT |
| 5L | Sequence Related Table regarding Heart Failure v. Control | 160KB | February 3, 2006 | TABLE5L.TXT |
| 5M | Sequence Related Table regarding Cervical Cancer v. Control | 304KB | February 3, 2006 | TABLE5M.TXT |
| 5N | Sequence Related Table regarding Stomach Cancer v. Control | 185KB | February 3, 2006 | TABLE5N.TXT |
| 50 | Sequence Related Table regarding Kidney Cancer v. Control | 404KB | February 3, 2006 | TABLESO.TXT |
| 5P | Sequence Related Table regarding Testicular Cancer v. Control | 486KB | February 3, 2006 | TABLE5P.TXT |
| 5Q | Sequence Related Table regarding Colon Cancer v. Control | 380KB | February 3, 2006 | TABLE5Q.TXT |
| 5R | Sequence Related Table regarding Hepatitis B v. Control | 140KB | February 3, 2006 | TABLE5R.TXT |
| 5S | Sequence Related Table regarding Pancreatic Cancer v. Control | 177KB | February 3, 2006 | TABLE5S.TXT |
| 5T | Sequence Related Table regarding Asymptomatic Chagas v. Control | 63KB | February 3, 2006 | TABLE5T.TXT |
| 5U | Sequence Related Table regarding Symptomatic Chagas v. Control | 77KB | February 3, 2006 | TABLE5U.TXT |
| 5V | Sequence Related Table regarding Bladder Cancer v. Control | 383KB | February 3, 2006 | TABLE5V.TXT |
| 6A | Sequence Related Table regarding Cancer (all types) v. Control | 163KB | February 3, 2006 | TABLE6A.TXT |
| 6B | Sequence Related Table regarding Cardiovascular Disease v. Control | 73KB | February 3, 2006 | TABLE6B.TXT |
| 6C | Sequence Related Table regarding Neurological Diseases v. Control | 337KB | February 3, 2006 | TABLE6C.TXT |

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| <u>Table</u> | DESCRIPTION | SIZE | <u>Date</u> Recorded | Text File Name |
|--------------|--|-------------|-------------------------|----------------|
| 7A | Sequence Related Table regarding Celebrex® v. all Cox inhibitors except Celebrex | 55KB | February 3, 2006 | TABLE7A.TXT |
| 7B | Sequence Related Table regarding Celebrex® v. Control | 57KB | February 3, 2006 | TABLE7B.TXT |
| 7C | Sequence Related Table regarding Vioxx® v. Control | 53KB | February 3, 2006 | TABLE7C.TXT |
| 7D | Sequence Related Table regarding Vioxx® v. All Cox Inhibitors except Vioxx® | 49KB | February 3, 2006 | TABLE7D.TXT |
| 7 E | Sequence Related Table regarding NSAIDS v. Control | 72KB | February 3, 2006 | TABLE7E.TXT |
| 7F | Sequence Related Table regarding Cortisone v. Control | 208KB | February 3, 2006 | TABLE7F.TXT |
| 7G | Sequence Related Table regarding Visco Supplement v. Control | 316KB | February 3, 2006 | TABLE7G.TXT |
| 7H | Sequence Related Table regarding Lipitor® v. Control | 131KB | February 3, 2006 | TABLE7H.TXT |
| 7 I | Sequence Related Table regarding Smoker v. Non-Smoker | 23KB | February 3, 2006 | TABLE7I.TXT |

Applicants respectfully request that this transmittal and the two CD-ROMs be entered as part of the application and considered.

No additional fee is believed to be due in connection with the submission of this transmittal and the two CD-ROMs. However, if the examiner determined otherwise, please charge such fees to Jones Day Deposit Account No. 50-3013

Respectfully submitted,

| Date: | February 13, 2006 | Jaura a. a | onizzi | |
|-------|-------------------|---------------------------|--------|-------------------|
| | | Laura A.Coruzzi JONES DAY | 28 | (Reg. No. 30,742) |

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